



National Weather Service

Storm Data and Unusual Weather Phenomena



April 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm
					Killed	Injured	Property Crops	

ILLINOIS, Northwest

Bureau County

Depue **04** **1353CST** **0** **0** **Hail(1.00)**

An early spring storm accompanied with very cold air aloft allowed thunderstorms to produce copious amounts of hail across Eastern Iowa and Northwest Illinois. Hail durations of 5 to 10 minutes were common with hail sizes ranging from 0.25 to 0.70 inch. West Liberty Iowa reported hail off and on for 30 minutes during the afternoon. Hail covered the ground in many cities with roads becoming icy from the hail and temperatures falling to around freezing.

Rock Island County

Silvis **30** **0330CST** **0** **0** **Hail(1.00)**

Rock Island County

Carbon Cliff **30** **0336CST** **0** **0** **Hail(0.75)**

Pea hail covered the ground

Rock Island County

Joslin **30** **0355CST** **0** **0** **Hail(0.75)**

The first two of what would be three rounds of severe weather occurred in the pre-dawn and late morning to early afternoon hours. A strong low level jet developed thunderstorms north of a warm front that was located across Southern Iowa and Central Illinois. Due to low freezing levels aloft north of the warm front, storms were prolific hail producers with numerous reports of pea to just under three quarter inch size hail amounts.

Mercer County

4 N New Boston **30** **1712CST** **0** **0** **Hail(0.75)**

Mercer County

New Boston **30** **1725CST** **0** **0** **150K** **Hail(1.25)**

Mercer County

Joy **30** **1730CST** **0** **0** **350K** **Hail(1.75)**

Mercer County

5 SE Aledo **30** **1738CST** **0** **0** **Funnel Cloud**

Mercer County

3 S Aledo **30** **1742CST** **0** **75** **0** **0** **500K** **Tornado (F1)**

Damaged farm buildings

Mercer County

2 SE Aledo to **30** **1757CST** **0.8** **20** **0** **0** **50K** **Tornado (F0)**

3 ESE Aledo
traveled through open country

Mercer County

New Windsor **30** **1800CST** **0** **0** **150K** **Heavy Rain**

2100CST

Mercer County

New Boston **30** **1801CST** **0** **0** **500K** **Hail(1.75)**

Mercer County

1 S Viola **30** **1808CST** **0.1** **50** **0** **0** **500K** **Tornado (F1)**

1809CST

Farm house damaged

Mercer County

.3 E Viola to **30** **1811CST** **0.5** **25** **0** **0** **250K** **Tornado (F0)**

.8 E Viola
1813CST

House damaged



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<u>ILLINOIS, Northwest</u>								
Mercer County New Boston	30	1812CST			0	0	500K	Hail(1.75)
Mercer County .5 E Viola to 1 E Viola	30	1812CST 1814CST	0.5	75	0	0	300K	Tornado (F1)
			House pushed 6 feet off foundation					
Mercer County 2 N New Windsor	30	1818CST 1820CST			0	0	50K	Hail(1.75)
Mercer County 1 NW Matherville	30	1825CST			0	0		Hail(0.75)
Henry County .5 N Alpha	30	1829CST	0	50	0	0		Tornado (F0)
			Touched down in field					
Henry County 5 N Alpha	30	1854CST			0	0		Hail(0.75)
			Covered the ground					
Mercer County New Windsor	30	1904CST			0	0	500K	Hail(1.75)
Henry County Cambridge	30	1905CST			0	0	50K	Hail(1.00)
Henry County Galva	30	1925CST			0	0	50K	Hail(1.00)
Henry County 7 W Kewanee	30	1925CST			0	0		Funnel Cloud
Henry County Galva	30	1932CST			0	0	500K	Hail(1.75)
Rock Island County 2 W Reynolds	30	1935CST			0	0	20K	Hail(1.00)
			North side of Illinois 94					
Henry County 3 NE Galva	30	1940CST			0	0		Funnel Cloud
Henry County Kewanee	30	1941CST			0	0	50K	Hail(1.00)
Henry County Galva	30	1944CST			0	0		Hail(0.75)
Mercer County Matherville	30	1945CST			0	0	500K	Hail(1.75)
Rock Island County Oak Grove	30	1946CST			0	0	500K	Hail(1.75)
Henry County Galva	30	2000CST 2330CST			0	0	250K	Flash Flood
			IL 17 & US 34 flooded					
Henry County Kewanee	30	2000CST 2300CST			0	0	250K	Flash Flood
			6 inches water over roads					
Mercer County Countywide	30	2000CST			0	0	10M	Flash Flood



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ILLINOIS, Northwest

2330CST
IL 94 and 17 closed

Bureau County 3 ESE Providence	30	2023CST			0	0	150K		Thunderstorm Wind (EG61)
			32 x 48 foot barn destroyed						
Henry County 3 S Annawan	30	2028CST			0	0	400K		Thunderstorm Wind (EG70)
			Barn destroyed & house damaged						
Bureau County Countywide	30	2030CST 2130CST			0	0			Hail(0.88)
			Bow echo						
Henry County Countywide	30	2030CST 2330CST			0	0	10M		Flash Flood
Bureau County Princeton	30	2043CST			0	0	50K		Hail(1.00)
Henderson County Oquawka	30	2045CST			0	0			Hail(0.88)
Bureau County 1 W Wyanet	30	2055CST			0	0			Hail(0.75)
Mercer County New Windsor	30	2055CST			0	0			Hail(0.75)
Putnam County 1 NE Putnam to Standard	30	2100CST 2120CST			0	0	3M		Thunderstorm Wind (EG61)
			Bow echo						
Henry County Galva	30	2108CST			0	0	50K		Hail(1.00)
Putnam County 1 S Putnam	30	2114CST			0	0	500K		Thunderstorm Wind (EG52)
			Tree down & truck rolled over						
Putnam County Standard	30	2120CST			0	0	1M		Thunderstorm Wind (MG69)

Supercell thunderstorms developed in the afternoon and evening north of a warm front that ran from Southern Iowa into Central Illinois. Three distinct supercells produced a majority of the wind, hail, and heavy rain reports from Jefferson County Iowa into Henry County Illinois. Mercer County Illinois was under tornado warnings on a continuous basis for 2 hours. Officials at a high school track meet in Aledo, Illinois ushered all students into the safety of the school resulting in no injuries. The training of the supercells from Louisa County Iowa to Henry County Illinois dumped heavy rain over the Edwards River and Pope Creek basins in Illinois with radar estimating 9 inches of rain. Actual amounts varied due to large amounts of hail with the storms. Cambridge Illinois estimated 7 to 8 inches of rain fell in the town. Illinois Route 17 was closed due to flooding between Aledo and Viola with Illinois Route 94 closed south of Aledo. In Andover Illinois, two thirds of the town had basements flooded. Toward the end of the event a bow echo developed in Henry County Illinois and raced east across Bureau and Putnam counties. The fire department in Standard, Illinois measured a 69 knot (80 mph) wind gust when the bow echo moved through. In Clinton, Iowa, a lightning strike started a warehouse fire at the Nestle Purnina Complex.



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IOWA, East Central and Southeast

Scott County

Davenport	04	1520CST			0	0			Hail(0.75)
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Scott County

Bettendorf	04	1525CST			0	0			Hail(0.80)
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Davenport/Bettendorf line

Jones County

Oxford Jct	04	1550CST			0	0			Hail(0.75)
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An early spring storm accompanied with very cold air aloft allowed thunderstorms to produce copious amounts of hail across Eastern Iowa and Northwest Illinois. Hail durations of 5 to 10 minutes were common with hail sizes ranging from 0.25 to 0.70 inch. West Liberty Iowa reported hail off and on for 30 minutes during the afternoon. Hail covered the ground in many cities with roads becoming icy from the hail and temperatures falling to around freezing.

IAZ040-051-053

Buchanan - Benton - Jones

06	1730CST				0	0			Heavy Snow
07	1200CST								

5 to 7 inches of snow

A powerful spring storm system brought a late season snowfall to Eastern Iowa and Northwest Illinois. Sustained winds of 20 to 35 mph with gusts of 40 to 50 mph were common creating power outages. Many schools either cancelled or started classes late on Monday April 7th while law enforcement reported several accidents due to slick roads with at least 1 injury reported. Areas south of Interstate 80 saw an inch or less of snowfall, while areas between Interstate 80 and U.S. Highway 30 saw 1 to 3 inches of snow. The heaviest snow fell north of U.S. Highway 30 where 3 to 6 inch snowfall amounts were common. A cooperative observer in Stanley Iowa reported 7.1 inches of snow. Due to ongoing drought conditions, the moisture from the snow was welcomed

Benton County

4 SW Atkins	30	0345CST			0	0			Thunderstorm Wind (EG52)
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Poles down

Linn County

Cedar Rapids	30	0900CST 0910CST			0	0			Thunderstorm Wind (EG52)
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Semi trucks over on I380 & IA 201

Scott County

Maysville	30	1157CST 1202CST			0	0			Hail(0.75)
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Scott County

Buffalo	30	1228CST			0	0			Hail(1.00)
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Lee County

Keokuk	30	1240CST 1245CST			0	0			Hail(1.00)
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Lee County

Keokuk	30	1240CST			0	0			Hail(1.75)
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Benton County

Atkins	30	1250CST			0	0			Heavy Rain
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Fields and ditches full

Benton County

Luzerne to	30	1250CST			0	0			Heavy Rain
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IOWA, East Central and Southeast

Walford

Water over County E66 in spots

The first two of what would be three rounds of severe weather occurred in the pre-dawn and late morning to early afternoon hours. A strong low level jet developed thunderstorms north of a warm front that was located across Southern Iowa and Central Illinois. Due to low freezing levels aloft north of the warm front, storms were prolific hail producers with numerous reports of pea to just under three quarter inch size hail amounts.

Washington County								
Crawfordsville	30	1611CST			0	0		Hail(0.75)
Jefferson County								
Fairfield	30	1637CST			0	0		Hail(0.75)
Jefferson County								
Batavia	30	1645CST			0	0	50K	Hail(1.25)
Jefferson County								
Fairfield	30	1645CST			0	0	50K	Hail(1.25)
		Sheriff car damaged						
Jefferson County								
Packwood	30	1645CST			0	0	50K	Hail(1.25)
Louisa County								
Wapello	30	1645CST			0	0		Hail(0.75)
Washington County								
Brighton	30	1645CST 1650CST			0	0		Hail(0.75)
Louisa County								
Elrick	30	1646CST			0	0		Funnel Cloud
Louisa County								
Grandview	30	1648CST			0	0	50K	Hail(1.00)
Louisa County								
1 N Wapello	30	1648CST			0	0		Hail(0.88)
Louisa County								
2 S Wapello	30	1650CST			0	0	1M	Hail(2.75)
Louisa County								
2 S Wapello	30	1650CST			0	0	50K	Thunderstorm Wind (EG52)
		Power lines down						
Louisa County								
3 E Wapello	30	1656CST			0	0		Funnel Cloud
Henry County								
1 N Mt Pleasant	30	1659CST			0	0		Hail(0.88)
Henry County								
4 W Mt Union	30	1700CST			0	0		Hail(0.88)
Louisa County								
1 SE Grandview	30	1702CST			0	0	20K	Hail(1.00)
Henry County								
5 N Mt Pleasant	30	1703CST			0	0	50K	Hail(1.75)
Henry County								
Wayland	30	1704CST			0	0	100K	Hail(1.25)



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<u>IOWA, East Central and Southeast</u>									
Louisa County 4 NNE Wapello	30	1704CST			0	0			Funnel Cloud
		Possible funnel							
Louisa County 4 NNE Wapello	30	1704CST			0	0			Hail(0.75)
Des Moines County Yarmouth	30	1725CST			0	0			Funnel Cloud
Henry County 2 N Mt Union	30	1730CST			0	0	10K		Hail(1.00)
		Jct Iowa 78 & County X23							
Louisa County 1 ESE Morning Sun to 3.5 N Oakville	30	1735CST 1820CST	16	880	0	0	200K		Tornado (F0)
		Path narrowed to 50 yards							
Louisa County Wapello	30	1735CST			0	0			Hail(0.88)
Louisa County Morning Sun	30	1740CST			0	0	4M		Hail(2.75)
Louisa County Wapello	30	1740CST			0	0	1M		Hail(1.75)
Louisa County 1 S Morning Sun	30	1742CST			0	0			Funnel Cloud
Washington County 2 S Riverside	30	1825CST			0	0	100K		Hail(1.75)
Jefferson County Fairfield	30	1839CST			0	0			Hail(0.88)
		Covered the ground							
Louisa County Cotter	30	1845CST			0	0	250K		Hail(1.75)
Louisa County Columbus Jct	30	1850CST			0	0	50K		Hail(1.00)
Louisa County 2 SSW Columbus Jct	30	1850CST			0	0	150K		Hail(1.75)
		Pea hail covered ground							
Washington County Kalona	30	1904CST			0	0	30K		Heavy Rain
		Street flooding							
Benton County 1 NW Vinton	30	1909CST			0	0			Hail(0.75)
Muscatine County Muscatine	30	1915CST			0	0			Hail(0.75)
Benton County Urbana	30	1920CST			0	0	400K		Hail(1.75)
Henry County Mt Pleasant	30	1923CST			0	0			Hail(0.88)
Benton County Urbana	30	1926CST			0	0	100K		Hail(1.00)



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IOWA, East Central and Southeast

Buchanan County

Aurora	30	1926CST			0	0		Hail(0.75)
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Jefferson County

Fairfield	30	1928CST			0	0	50K	Heavy Rain
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Henry County

Mt Pleasant	30	1930CST			0	0	100K	Hail(1.00)
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Iowa County

Victor	30	2110CST			0	0	50K	Hail(1.00)
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Louisa County

5 N Wapello	30	2130CST 2330CST			0	0	500K	Flash Flood
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US 61 covered with water

Clinton County

Clinton	30	2132CST			0	0	10K 0	Lightning
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Warehouse fire at Purina complex

Supercell thunderstorms developed in the afternoon and evening north of a warm front that ran from Southern Iowa into Central Illinois. Three distinct supercells produced a majority of the wind, hail, and heavy rain reports from Jefferson County Iowa into Henry County Illinois. Mercer County Illinois was under tornado warnings on a continuous basis for 2 hours. Officials at a high school track meet in Aledo, Illinois ushered all students into the safety of the school resulting in no injuries. The training of the supercells from Louisa County Iowa to Henry County Illinois dumped heavy rain over the Edwards River and Pope Creek basins in Illinois with radar estimating 9 inches of rain. Actual amounts varied due to large amounts of hail with the storms. Cambridge Illinois estimated 7 to 8 inches of rain fell in the town. Illinois Route 17 was closed due to flooding between Aledo and Viola with Illinois Route 94 closed south of Aledo. In Andover Illinois, two thirds of the town had basements flooded. Toward the end of the event a bow echo developed in Henry County Illinois and raced east across Bureau and Putnam counties. The fire department in Standard, Illinois measured a 69 knot (80 mph) wind gust when the bow echo moved through. In Clinton, Iowa, a lightning strike started a warehouse fire at the Nestle Purnina Complex.

Van Buren County

2 SW Keosauqua	30	2019CST			1	1		Lightning
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In Lacey-Keosauqua State Park southwest of Keosauqua, Iowa, 2 brothers were struck by lightning while setting up a tent for a camping/hunting trip. One brother survived, but the other died 11 weeks later on his 34th birthday after never coming out of a coma.

M34CA

MISSOURI, Northeast

Scotland County

4 N Crawford	30	2104CST			0	0	100K	Hail(1.75)
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